



SEQUENCE LISTING

- <110> Jochmus, Ingrid
Nieland, John
Osen, Wolfram
Faath, Stefan
Schafer, Klaus
- <120> Cytotoxic T-Cell Epitopes of the
Papillomavirus L1-Protein and Use Thereof in Diagnostics and
Therapy
- <130> 50125/037001
- <140> US 09/980,064
<141> 2001-11-29
- <150> PCT/EP00/05005
<151> 2000-05-31
- <150> DE 19925235.1-43
<151> 1999-06-01
- <160> 17
- <170> FastSEQ for Windows Version 4.0
- <210> 1
<211> 9
<212> PRT
<213> Human papillomavirus type 16
- <400> 1
Ala Gln Ile Phe Asn Lys Pro Tyr Trp
1 5
- <210> 2
<211> 9
<212> PRT
<213> Human papillomavirus type 16
- <400> 2
Ala Gly Val Asp Asn Arg Glu Cys Ile
1 5
- <210> 3
<211> 9
<212> PRT
<213> Influenza Virus Type A
- <400> 3
Ala Ser Asn Glu Asn Met Glu Thr Met
1 5

<210> 10
<211> 8
<212> PRT
<213> Human papillomavirus type 16

<400> 10
Val Thr Phe Ile Tyr Ile Leu Val
1 5

<210> 11
<211> 8
<212> PRT
<213> Human papillomavirus type 16

<400> 11
Leu Glu Asp Thr Tyr Arg Phe Val
1 5

<210> 12
<211> 8
<212> PRT
<213> Human papillomavirus type 16

<400> 12
Gly Asn Gln Leu Phe Val Thr Val
1 5

<210> 13
<211> 8
<212> PRT
<213> Human papillomavirus type 16

<400> 13
Lys Lys Tyr Thr Phe Val Thr Val
1 5

<210> 14
<211> 8
<212> PRT
<213> Human papillomavirus type 16

<400> 14
Glu Asn Asp Val Asn Tyr His Ile
1 5

<210> 15
<211> 9
<212> PRT
<213> Human papillomavirus type 16

<400> 15
Ala Gly Val Asp Asn Arg Glu Cys Ile

5

```
<400> 16
Thr Val Gly Glu Asn Val Pro Asp Asp Leu
  1             5             10
```

```
<400> 17
Tyr Lys Asn Thr Asn Phe Lys Glu Tyr Leu
  1             5             10
```

$\frac{1}{\sqrt{\pi}} \int_{-\infty}^{\infty} f(x) e^{-x^2} dx = \frac{1}{\sqrt{\pi}} \int_{-\infty}^{\infty} f(x) e^{-x^2} dx$